

**In the Claims**

Claims 1-18 (Canceled)

Claim 19. (Currently Amended) A method of enhancing inhibition of nicotine metabolism by a CYP2A6 inhibitor in an individual comprising administering to the individual an effective amount of a substance which selectively inhibits CYP2A6, and an effective amount of an inhibitor of CYP2B6~~The method defined in claim 17~~, wherein the substance is at least one member selected from the group consisting of coumarin, furanocoumarin, methoxsalen, imperatorin, psoralen,  $\alpha$ -naphthoflavone, isopimpinellin,  $\beta$ -naphthoflavone, bergapten, sphondin, coumatetralyl (racumin), (+)-cis-3,5-dimethyl-2-(3-pyridyl)-thiazolidim-4-one, naringenin and related flavones, diethyldithiocarbamate, N-nitrosodialkylamine, nitropyrene, menadione, imidazole antimycotics, miconazole, clotrimazole, pilocarpine, hexamethylphosphoramide, 4-methylnitrosamine-3-pyridyl-1-butanol, aflatoxin B, analogs thereof and derivatives thereof.

Claim 20. (Original) The method defined in claim 19, wherein the N-nitrosodialkylamine is selected from the group consisting of N-nitrosodiethylamine, N-nitrosodimethylamine and mixtures thereof.

Claims 21-22. (Cancelled)

Claim 23. (Currently Amended) A pharmaceutical composition for regulating the metabolism of nicotine to cotinine comprising an effective amount of a substance which selectively inhibits CYP2A6 and an effective amount of an inhibitor of CYP2B6~~The composition of claim 21~~, wherein the substance comprises at least one member selected from the group consisting of coumarin, furanocoumarin, methoxsalen, imperatorin, psoralen,  $\alpha$ -naphthoflavone, isopimpinellin,  $\beta$ -naphthoflavone, bergapten, sphondin, coumatetralyl (racumin), (+)-cis-3,5-dimethyl-2-(3-pyridyl)-thiazolidim-4-one, naringenin and related flavones, diethyldithiocarbamate, N-nitrosodialkylamine, nitropyrene, menadione, imidazole antimycotics, miconazole, clotrimazole, pilocarpine, hexamethylphosphoramide, 4-methylnitrosamine-3-pyridyl-1-butanol, aflatoxin B, analogs thereof and derivatives thereof, and mixtures thereof.

Claim 24. (Original) The composition defined in claim 23, wherein the N-nitrosodialkylamine is selected from the group consisting of N-nitrosodiethylamine, N-nitrosodimethylamine and mixtures thereof.

Claims 25-26. (Canceled)

Claim 27. (Currently Amended) A method for treating a condition requiring regulation of nicotine metabolism to cotinine in an individual comprising administering to the individual an effective amount of a substance which selectively inhibits CYP2A6, and an effective amount of an inhibitor of CYP2B6, ~~The method defined in claim 25~~, wherein the substance is at least one member selected from the group consisting of coumarin, furanocoumarin, methoxsalen, imperatorin, psoralen,  $\alpha$ -naphthoflavone, isopimpinellin,  $\beta$ -naphthoflavone, bergapten, sphondin, coumatetralyl (racumin), (+)-cis-3,5-dimethyl-2-(3-pyridyl)-thiazolidim-4-one, naringenin and related flavones, diethyldithiocarbamate, N-nitrosodialkylamine, nitropyrene, menadione, imidazole antimycotics, miconazole, clotrimazole, pilocarpine, hexamethylphosphoramide; 4-methylnitrosamine-3-pyridyl-1-butanol, aflatoxin B, analogs thereof and derivatives thereof, and mixtures thereof; and wherein the condition requiring regulation of nicotine metabolism is dependent tobacco use.

Claim 28 (Original) The method defined in claim 27, wherein the N-nitrosodialkylamine is selected from the group consisting of N-nitrosodiethylamine, N-nitrosodimethylamine and mixtures thereof.

Claim 29-38 (Canceled)

39. (Previously Presented) The method of claim 19, wherein the substance is methoxsalen or a derivative thereof.

40. (Previously Presented) The method of claim 27, wherein the substance is methoxsalen or a derivative thereof.

41. (Currently Amended) The method of claim 23 ~~38~~, wherein the substance ~~at least one of said substances~~ is methoxsalen or a derivative thereof.

Claims 42-46. (Canceled)